

What is claimed is:

5 Sub A1 1. A fingerprint identification device to identify fingerprints, comprising:
a fingerprint reader unit to input a fingerprint to be detected;
a database unit to record a fingerprint database provided in advance;
a fingerprint comparing unit that identifies said input fingerprint input by said
fingerprint reader unit by comparing with fingerprints stored in said fingerprint database
recorded in said database unit; and
a user recording unit that records the fingerprint input by said fingerprint reader unit.

10 2. The fingerprint identification device according to claim 1, wherein said user
recording unit records said input fingerprint only when said fingerprint comparing unit does
not identify said input fingerprint.

5 Sub 617 3. The fingerprint identification device according to claim 1, wherein said user
recording unit records said input fingerprint transmitted from said fingerprint reader unit, and
said transmitted input fingerprint includes a raw data of said input fingerprint.

20 4. The fingerprint identification device according to claim 1, further comprising an
image data processing unit to process said input fingerprint.

25 5. The fingerprint identification device according to claim 4, wherein said user
recording unit records said input fingerprint transmitted from said image processing unit, and
said transmitted input fingerprint includes processed data of said input fingerprint.

6. The fingerprint identification device according to claim 1, further comprising a
feature extraction unit to extract a feature count from said input fingerprint.

30 7. The fingerprint identification device according to claim 6, wherein said user
recording unit records the extracted feature count from said feature extraction unit, whereby
said extracted feature count results in a compact data size.

8. The fingerprint identification device according to claim 1, further comprising a

date counter that provides a date record used to generate a recording history.

9. The fingerprint identification device according to claim 1, wherein said device is used for access control.

$$\left[\begin{array}{c} x_2 \\ x_1 \end{array} \right]$$